If your vehicle needs to be towed

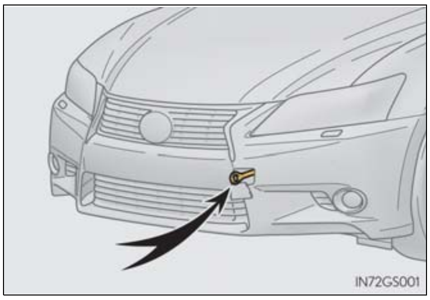
If towing is necessary, we recommend having your vehicle towed by your Lexus dealer or a commercial towing service, using a lift-type truck or flat bed truck.
Use a safety chain system for all towing, and abide by all state/provincial and local laws.

Before towing

The following may indicate a problem with your transmission. Contact your Lexus dealer before towing.

- The engine is running but the vehicle will not move.
- The vehicle makes an abnormal sound.

Emergency towing



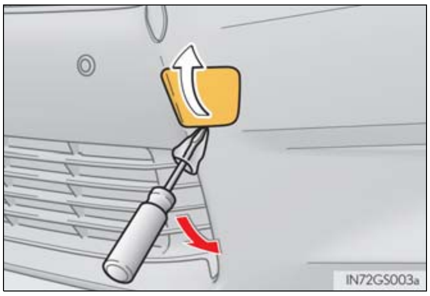
If a tow truck is not available in an emergency, your vehicle may be temporarily towed using a cable or chain secured to the emergency towing eyelet. This should only be attempted on hard surfaced roads for short distances at low speeds.
A driver must be in the vehicle to steer and operate the brakes. The vehicle's wheels, drive train, axles, steering and brakes must be in good condition.

Installing towing eyelet

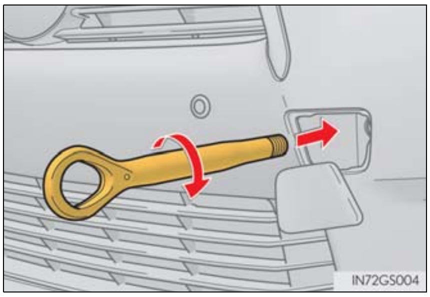
1 Take out the towing eyelet (→P. 723)

2 Remove the eyelet cover using a flathead screwdriver.

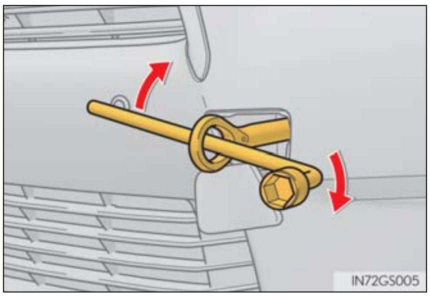
To protect the bodywork, place a rag between the screwdriver and the vehicle body as shown in the illustration.



3 Insert the towing eyelet into the hole and tighten partially by hand.

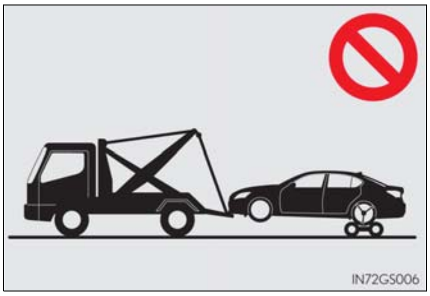


4 Tighten down the towing eyelet securely using a wheel nut wrench.



Towing with a sling-type truck

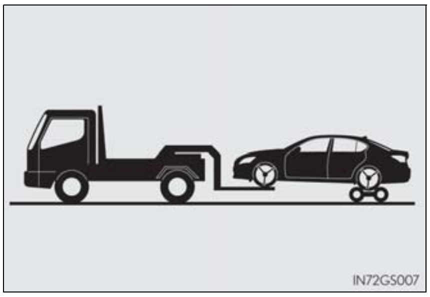
Do not tow with a sling-type truck to prevent body damage.



Towing with a wheel-lift type truck

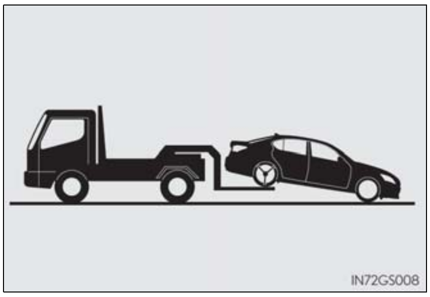
▶ From the front

Use a towing dolly under the rear wheels.



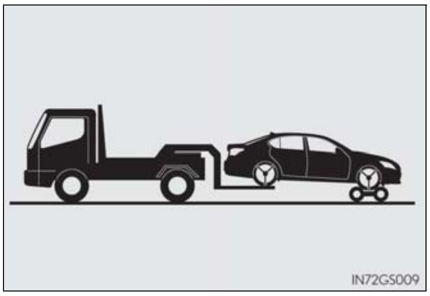
▶ From the rear (2WD models)

Turn the engine switch to ACCESSORY mode so that the steering wheel is unlocked.



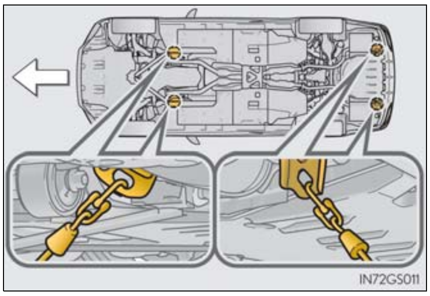
▶ From the rear (AWD models)

Use a towing dolly under the front wheels.



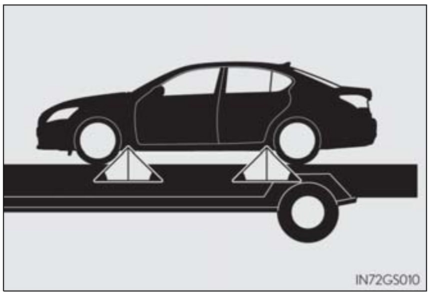
Using a flat bed truck

If your Lexus is transported by a flat bed truck, it should be tied down at the locations shown in the illustration.



If you use chains or cables to tie down your vehicle, the angles shaded in black must be 45°.

Do not overly tighten the tie downs or the vehicle may be damaged.



Before emergency towing

1. Release the parking brake.
2. Shift the shift lever to N.
3. Turn the engine switch to ACCESSORY (engine off) or IGNITION ON (engine running) mode.

CAUTION

Observe the following precautions.
Failure to do so may result in death or serious injury.

Caution while towing

- Use extreme caution when towing the vehicle.
  Avoid sudden starts or erratic driving maneuvers which place excessive stress on the emergency towing eyelets and the cables or chains. Always be cautious of the surroundings and other vehicles while towing.
- If the engine is not running, the power assist for the brakes and steering will not function, making steering and braking more difficult.

Installing towing eyelets to the vehicle

Make sure that towing eyelets are installed securely.
If not securely installed, towing eyelets may come loose during towing.

NOTICE

■ **To prevent causing serious damage to the transmission and transfer (AWD models) when towing using a wheel-lift type truck**

2WD models:
Never tow this vehicle from the front with the rear wheels on the ground.
AWD models:
Never tow this vehicle with any of the wheels in contact with the ground.

■ **To prevent damage to the vehicle when towing using a wheel-lift type truck**

2WD models:

- Do not tow the vehicle from the rear with the engine switch off. The steering lock mechanism is not strong enough to hold the front wheels straight.
- When raising the vehicle from the rear, ensure adequate ground clearance for towing at the opposite end of the raised vehicle. Without adequate clearance, the vehicle could be damaged while being towed from the rear.

AWD models:
When raising the vehicle, ensure adequate ground clearance for towing at the opposite end of the raised vehicle. Without adequate clearance, the vehicle could be damaged while being towed.

■ **To prevent body damage when towing with a sling-type truck**

Do not tow with a sling-type truck, either from the front or rear.

■ **To prevent causing serious damage to the transmission and transfer (AWD models) in emergency towing**

Never tow a vehicle from the rear with four wheels on the ground. This may cause serious damage to the transmission and transfer.

If you think something is wrong

If you notice any of the following symptoms, your vehicle probably needs adjustment or repair. Contact your Lexus dealer as soon as possible.

Visible symptoms

- Fluid leaks under the vehicle.
  (Water dripping from the air conditioning after use is normal.)
- Flat-looking tires or uneven tire wear
- Engine coolant temperature gauge needle continually points higher than normal.

Audible symptoms

- Changes in exhaust sound
- Excessive tire squeal when cornering
- Strange noises related to the suspension system
- Pinging or other noises related to the engine

Operational symptoms

- Engine missing, stumbling or running roughly
- Appreciable loss of power
- Vehicle pulls heavily to one side when braking
- Vehicle pulls heavily to one side when driving on a level road
- Loss of brake effectiveness, spongy feeling, pedal almost touches the floor

Fuel pump shut off system

To minimize the risk of fuel leakage when the engine stalls or when an airbag inflates upon collision, the fuel pump shut off system stops the supply of fuel to the engine.

Follow the procedure below to restart the engine after the system is activated.

1. Turn the engine switch to ACCESSORY mode or turn it off.
2. Restart the engine.

> ⚠ NOTICE
>
> **■ Before starting the engine**
>
> Inspect the ground under the vehicle.
> If you find that fuel has leaked onto the ground, the fuel system has been damaged and is in need of repair. Do not restart the engine.

If a warning light turns on or a warning buzzer sounds

Calmly perform the following actions if any of the warning lights comes on or flashes. If a light comes on or flashes, but then goes off, this does not necessarily indicate a malfunction in the system. However, if this continues to occur, have the vehicle inspected by your Lexus dealer.

Stop the vehicle immediately. Continuing to drive the vehicle may be dangerous.

The following warning indicates a possible problem in the brake system. Immediately stop the vehicle in a safe place and contact your Lexus dealer.

Warning light	Warning light/Details
 (U.S.A.)  (Canada)	**Brake system warning light (warning buzzer)** • Low brake fluid • Malfunction in the brake booster system

Stop the vehicle immediately.

The following warning indicates the possibility of damage to the vehicle that may lead to an accident. Immediately stop the vehicle in a safe place and contact your Lexus dealer.

Warning light	Warning light/Details
	**Charging system warning light** Indicates a malfunction in the vehicle's charging system

Have the vehicle inspected by your Lexus dealer immediately.

Failure to investigate the cause of the following warnings may lead to the system operating abnormally and possibly cause an accident. Have the vehicle inspected by your Lexus dealer immediately.

Warning light	Warning light/Details
 (U.S.A.)  (Canada)	**Malfunction indicator lamp** Indicates a malfunction in: • The electronic engine control system; • The electronic throttle control system; or • The electronic automatic transmission control system
	**SRS warning light** Indicates a malfunction in: • The SRS airbag system; • The front passenger occupant classification system; or • The seat belt pretensioner system
 (U.S.A.)  (Canada)	**ABS warning light** Indicates a malfunction in: • The ABS; or • The brake assist system
	**Electric power steering system warning light** Indicates a malfunction in the EPS (Electric Power Steering) system

Warning light	Warning light/Details
PCS (Flashes) (If equipped)	**Pre-collision system warning light** Indicates a malfunction in the pre-collision system The warning light will operate as follows, even when the system is not malfunctioning: • The light will flash quickly when the system is operating. (→P. 278) • The light will turn on when the pre-collision system is disabled. (→P. 280) • The light will flash when the system cannot temporarily be used. (→P. 708)
	**Slip indicator** Indicates a malfunction in: • The VSC system; • The TRAC system; or • The hill-start assist control system The light will flash when the VSC, the TRAC or the hill-start assist control system is operating.
AFS OFF (Flashes) (If equipped)	**"AFS OFF" indicator** Indicates a malfunction in the adaptive front-lighting system
PARK (Flashes) (U.S.A.) (P) (Flashes) (Canada)	**Parking brake indicator** Indicates a malfunction in the parking brake system

Warning light	Warning light/Details
	**Brake system warning light** Indicates a malfunction in the parking brake system

Follow the correction procedures.

After taking the specified steps to correct the suspected problem, check that the warning light goes off.

Warning light	Warning light/Details	Correction procedure
	**Open door warning light (warning buzzer)***1 Indicates that a door or the trunk is not fully closed	Check that all the doors and the trunk are closed.
	**Low fuel level warning light** Indicates remaining fuel is approximately 2.8 gal. (10.5 L, 2.3 Imp.gal.) or less	Refuel the vehicle.
	**Seat belt reminder light (warning buzzer)***2 Warns the driver and/or front passenger to fasten their seat belts	Fasten the seat belt. If the front passenger's seat is occupied, the front passenger's seat belt also needs to be fastened to make the warning light (warning buzzer) off.
	**Master warning light** A buzzer sounds and the warning light comes on and flashes to indicate that the master warning system has detected a malfunction.	→P. 697

Warning light	Warning light/Details	Correction procedure
	**Tire pressure warning light**	
	When the light comes on: Low tire inflation pressure such as • Natural causes (→P. 693) • Flat tire (→P. 722)	Adjust the tire inflation pressure to the specified level. The light will turn off after a few minutes. In case the light does not turn off even if the tire inflation pressure is adjusted, have the system checked by your Lexus dealer.
	When the light comes on after blinking for 1 minute: Malfunction in the tire pressure warning system	Have the system checked by your Lexus dealer.

*1: Open door warning buzzer:

→P. 704

*2: Driver's seat belt buzzer:

The driver's seat belt buzzer sounds to alert the driver that his or her seat belt is not fastened. Once the engine switch is turned to IGNITION ON mode, the buzzer sounds for 6 seconds. If the vehicle reaches a speed of 12 mph (20 km/h), the buzzer sounds once. If the seat belt is still unfastened after 30 seconds, the buzzer will sound intermittently for 10 seconds. Then, if the seat belt is still unfastened, the buzzer will sound in a different tone for 20 more seconds.

Front passenger's seat belt buzzer:

The front passenger's seat belt buzzer sounds to alert the front passenger that his or her seat belt is not fastened. The buzzer sounds once if the vehicle reaches a speed of 12 mph (20 km/h). If the seat belt is still unfastened after 30 seconds, the buzzer will sound intermittently for 10 seconds. Then, if the seat belt is still unfastened, the buzzer will sound in a different tone for 20 more seconds.

SRS warning light

This warning light system monitors the airbag sensor assembly, front impact sensors, side impact sensors (front door), side impact sensors (front), side impact sensors (rear), driver's seat position sensor, driver's seat belt buckle switch, front passenger occupant classification system, "AIR BAG ON" indicator light, "AIR BAG OFF" indicator light, front passenger's seat belt buckle switch, seat belt pretensioner assemblies, inflators, interconnecting wiring and power sources. (→P. 38)

Front passenger detection sensor, seat belt reminder and warning buzzer

If luggage is placed on the front passenger seat, the front passenger detection sensor may cause the warning light to flash and the warning buzzer to sound even if a passenger is not sitting in the seat.

If the malfunction indicator lamp comes on while driving

First check the following:

- Is the fuel tank empty?
  If it is, fill the fuel tank immediately.
- Is the fuel tank cap loose?
  If it is, tighten it securely.

The light will go off after several driving trips.
If the light does not go off even after several trips, contact your Lexus dealer as soon as possible.

Changing the engine oil (U.S.A. only)

Make sure to reset the oil change system. (→P. 602)

When the tire pressure warning light comes on

Check the tire inflation pressure and adjust to the appropriate level. Pushing the tire pressure warning reset switch will not turn off the tire pressure warning light.

■ The tire pressure warning light may come on due to natural causes

The tire pressure warning light may come on due to natural causes such as natural air leaks and tire inflation pressure changes caused by temperature. In this case, adjusting the tire inflation pressure will turn off the warning light (after a few minutes).

■ When a tire is replaced with a spare tire

The compact spare tire is not equipped with a tire pressure warning valve and transmitter. If a tire goes flat, the tire pressure warning light will not turn off even though the flat tire has been replaced with the spare tire.

■ Conditions that the tire pressure warning system may not function properly

→P. 635

■ If the tire pressure warning light frequently comes on after blinking for 1 minute

If the tire pressure warning light frequently comes on after blinking for 1 minute when the engine switch is turned to IGNITION ON mode, have it checked by your Lexus dealer.

■ Warning buzzer

In some cases, the buzzer may not be heard because of noisy place or an audio sound.

CAUTION

■If both the ABS and the brake system warning lights remain on

Stop your vehicle in a safe place immediately and contact your Lexus dealer. The vehicle will become extremely unstable during braking, and the ABS system may fail, which could cause an accident resulting in death or serious injury.

■When the electric power steering system warning light comes on

The steering wheel may become extremely heavy.
If the steering wheel becomes heavier than usual when operating, hold firmly and operate using more force than usual.

■If the tire pressure warning light comes on

Be sure to observe the following precautions. Failure to do so could cause a loss of vehicle control and result in death or serious injury.

- Stop your vehicle in a safe place as soon as possible. Adjust the tire inflation pressure immediately.
- If the tire pressure warning light comes on even after tire inflation pressure adjustment, it is probable that you have a flat tire. Check the tires. If a tire is flat, change it with the spare tire and have the flat tire repaired by the nearest Lexus dealer.
- Avoid abrupt maneuvering and braking. If the vehicle tires deteriorate, you could lose control of the steering wheel or the brakes.

■If a blowout or sudden air leakage should occur

The tire pressure warning system may not activate immediately.

CAUTION

■ **Maintenance of the tires**

Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label (tire and load information label). (If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label [tire and load information label], you should determine the proper tire inflation pressure for those tires.)

As an added safety feature, your vehicle has been equipped with a tire pressure monitoring system (TPMS-tire pressure warning system) that illuminates a low tire pressure telltale (tire pressure warning light) when one or more of your tires is significantly under-inflated. Accordingly, when the low tire pressure telltale (tire pressure warning light) illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.

Please note that the TPMS (tire pressure warning system) is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale (tire pressure warning light).

Your vehicle has also been equipped with a TPMS (tire pressure warning system) malfunction indicator to indicate when the system is not operating properly. The TPMS (tire pressure warning system) malfunction indicator is combined with the low tire pressure telltale (tire pressure warning light). When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists. When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended.

CAUTION

TPMS (tire pressure warning system) malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS (tire pressure warning system) from functioning properly. Always check the TPMS (tire pressure warning system) malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS (tire pressure warning system) to continue to function properly.

NOTICE

■ **Precaution when installing a different tire**

When differently constructed tires or tires of different makers, models or tread patterns are installed, the tire pressure warning system may not operate properly.

If a warning message is displayed

If a warning is shown on the multi-information display, stay calm and perform the following actions:



① Master warning light

The master warning light also comes on or flashes in order to indicate that a message is currently being displayed on the multi-information display.

② Multi-information display

If any of the warning light comes on again after the following actions have been performed, contact your Lexus dealer.

Stop the vehicle immediately. Continuing to drive the vehicle may be dangerous.

The following warning indicates a possible problem in the brake system. Immediately stop the vehicle in a safe place and contact your Lexus dealer.

Warning message	Details
  (U.S.A.)  (Canada) 	Indicates the following: • The brake fluid level is low; or, • The brake booster system is malfunctioning. A buzzer also sounds.

Stop the vehicle immediately.

A buzzer sounds and a warning message is shown on the multi-information display. The following warning indicates the possibility of damage to the vehicle that may lead to an accident. Immediately stop the vehicle in a safe place and contact your Lexus dealer.

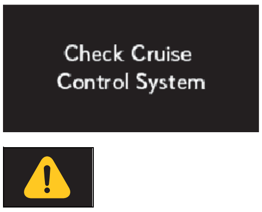
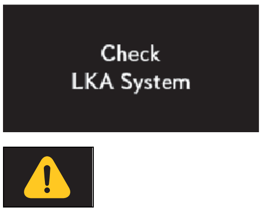
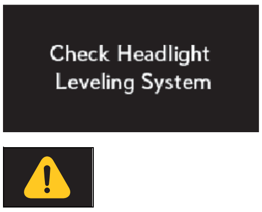
<table>
<tr><th>Warning message</th><th>Details</th></tr>
<tr><td>

</td><td>Indicates abnormal engine oil pressure
The warning light may come on if the engine oil pressure is too low.</td></tr>
</table>

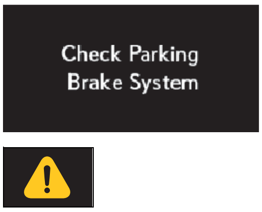
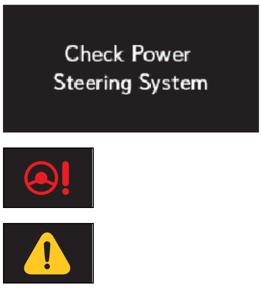
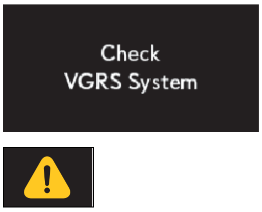
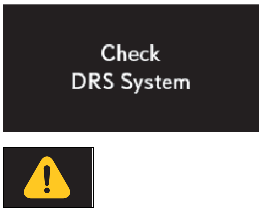
Have the vehicle inspected immediately.

A buzzer sounds and a warning message is shown on the multi-information display. Failure to investigate the cause of the following warnings may lead to the system operating abnormally and possibly cause an accident. Have the vehicle inspected by your Lexus dealer.

Warning message	Details
Check AWD System  (AWD models)	Indicates a malfunction in the AWD system
Transmission Fluid High Temperature 	Indicates that the automatic transmission fluid temperature is too high
Check PCS System PCS (Flashes)  (If equipped)	Indicates a malfunction in the pre-collision system

Warning message	Details
 (If equipped)	Indicates a malfunction in the intuitive parking assist The malfunctioning assist-sensor is flashing.
	Indicates a malfunction in the dynamic radar cruise control system (if equipped) or the cruise control system Press the “ON-OFF” button once to deactivate the system, and then press the button again to reactivate the system.
 (If equipped)	Indicates a malfunction in the LKA (Lane-Keeping Assist)
 (If equipped)	Indicates a malfunction in the automatic headlight leveling system

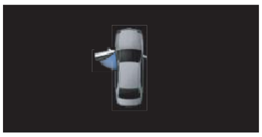
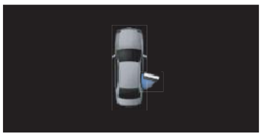
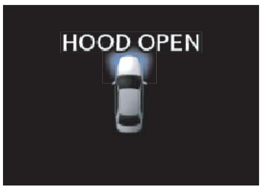
Warning message	Details
Check AFS (If equipped)	Indicates a malfunction in the adaptive front-lighting system
Check SRS Airbag System	Indicates a malfunction in: • The SRS airbag system; • The front passenger occupant classification system; or, • The seat belt pretensioner system
Check ABS ABS (U.S.A.) (ABS) (Canada)	Indicates a malfunction in: • The ABS; or, • The brake assist system
Parking Brake Inoperable PARK (Flashes) (U.S.A.) (P) (Flashes) (Canada)	Indicates a malfunction in the parking brake system

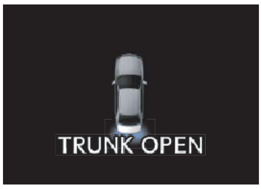
Warning message	Details
	Indicates a malfunction in the parking brake system
	Indicates a malfunction in the EPS (Electric Power Steering) system
 (If equipped)	Indicates a malfunction in the VGRS
 (If equipped)	Indicates a malfunction in the DRS

Warning message	Details
  (Flashes) (If equipped)	Indicates a malfunction in the Blind Spot Monitor
  (Flashes)	Indicates a malfunction in the smart access system with push-button start

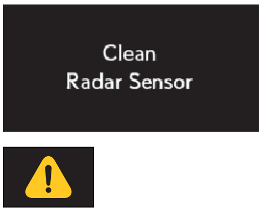
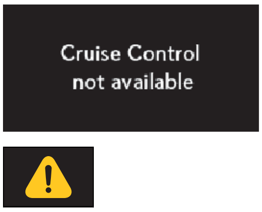
Follow the correction procedures.

A buzzer sounds and a warning message is shown on the multi-information display. After taking the specified steps to correct the suspected problem, check that the warning message goes off.

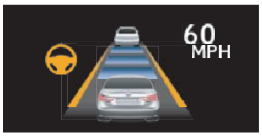
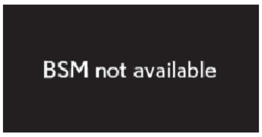
Warning message	Details	Correction procedure
   	Indicates that one or more of the doors is not fully closed The system also indicates which doors are not fully closed. If the vehicle reaches a speed of 3 mph (5 km/h),  flashes and a buzzer sounds to indicate that the door(s) are not yet fully closed.	Make sure that all the doors are closed.
	Indicates that the hood is not fully closed If the vehicle reaches a speed of 3 mph (5 km/h),  flashes and a buzzer sounds to indicate that the hood is not yet fully closed.	Close the hood.

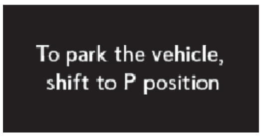
Warning message	Details	Correction procedure
	Indicates that the trunk is not fully closed If the vehicle reaches a speed of 3 mph (5 km/h), [warning icon] flashes and a buzzer sounds to indicate that the trunk is not yet fully closed.	Close the trunk.
 (Flashes)	Indicates that the windows are not fully closed (with the engine switch off, and the driver's door open)	Close all the windows.
 (Flashes)	Indicates that the moon roof is not fully closed (with the engine switch off, and the driver's door open)	Close the moon roof.
 (Flashes)	Indicates that the windows and the moon roof are not fully closed (with the engine switch off, and the driver's door open)	Close all the windows and the moon roof.

Warning message	Details	Correction procedure
Release Parking Brake	Indicates that the parking brake is still engaged If the vehicle reaches a speed of 3 mph (5 km/h), flashes and a buzzer sounds to indicate that the parking brake is still engaged.	Release the parking brake.
Parking Brake Overheat PARK (Flashes) (U.S.A.) (P) (Flashes) (Canada) (Flashes)	Indicates that the parking brake system has over-heated	Wait until the system cools down.
1st Gear not available due to slippery road surface	Indicates that shift range 1 has been selected with the shift lever in M when driving on slippery road surfaces. The range will not be downshifted and remain 2.	Drive with the shift range higher than 2.
Engine Oil Level Low	Indicates that engine oil level is low	Check the level of engine oil, and add if necessary.

Warning message	Details	Correction procedure
 (If equipped)	Indicates that intuitive parking assist sensor is dirty or covered with ice	Clean the sensor.
 (If equipped)	Indicates that the radar sensor is dirty or covered with ice	Clean the sensor.
 (If equipped)	Indicates that the radar cruise control system is unable to judge vehicle-to-vehicle distance	• Turn off the snow mode. • If the windshield wipers are on, turn them off or set them to a mode other than AUTO or high speed wiper operation.
 (If equipped)	Indicates that your vehicle is nearing the vehicle ahead (in vehicle-to-vehicle distance mode) At the same time,  will appear on the head-up display (the image flashes).	Slow the vehicle by applying the brakes.

Warning message	Details	Correction procedure
  (Flashes) (If equipped)	Indicates that there is a high possibility of a frontal collision, or that the pre-collision braking function is operating At the same time,  will appear on the head-up display too (the image flashes).	Slow the vehicle by applying the brakes.
  (If equipped)	Indicates that the LKA (Lane-Keeping Assist) is suspended • The camera sensor temperature is higher than the operation temperature range. • The power steering system operation is restricted.	Restart the LKA after driving for a while.

Warning message	Details	Correction procedure
 (If equipped)	Alerts the driver that the vehicle is out of the lanes (while the LKA [Lane-Keeping Assist] system is operating) The warning buzzer sounds continuously. The lane markings and/or the steering wheel marking flash. At the same time,  will appear on the head-up display (part of the image flashes).	Check around the vehicle and back to inside of the lane markings.
  (If equipped)	Indicates that the LKA (Lane-Keeping Assist) system detects no-handed driving (while the lane keeping assist function is operating) The warning buzzer sounds twice.	Grip the steering wheel firmly.
  (If equipped)	Indicates that the Blind Spot Monitor sensors or the surrounding area on the bumper is dirty or covered with ice	Clean the sensor and its surrounding area on the bumper.

Warning message	Details	Correction procedure
	Indicates that remaining fuel is approximately 2.8 gal. (10.5 L, 2.3 Imp.gal.) or less	Refuel the vehicle.
  (Flashes)	Indicates that the engine switch is turned off or turned to ACCESSORY mode and the driver's door is opened while the lights are turned on	Turn the lights off.
  (Flashes)	Indicates that the driver's door was opened with the shift position in any position other than P	Shift the shift position to P.

Warning message in radar cruise mode (if equipped)

In the following cases, the warning message may not be displayed even if vehicle-to-vehicle distance decreases:

- When your vehicle and the vehicle ahead are traveling at the same speed or the vehicle ahead is traveling more quickly than your vehicle
- When the vehicle ahead is traveling at a very low speed
- Immediately after cruise control speed is set
- At the instant the accelerator pedal is depressed

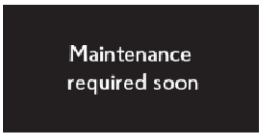
The LKA (Lane-Keeping Assist) lane departure warning function

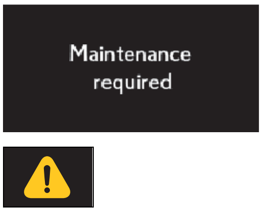
In the following cases, the warning message will not be displayed even if a lane line is crossed.

- When the vehicle speed deviates from the operating range of the LKA system functions
- When the lane lines cannot be recognized
- When the steering wheel is turned as far as necessary to cause the vehicle to change lanes

Follow the correction procedures.

A warning message is shown on the multi-information display. After taking the specified steps to correct the suspected problem, check that the warning message goes off.

Warning message	Details	Correction procedure
	Indicates that the washer fluid level is low	Add washer fluid.
  (U.S.A. only)	Indicates that all maintenance according to the driven distance on the maintenance schedule* should be performed soon.	If necessary, perform maintenance.
	Comes on approximately 4500 miles (7200 km) after the maintenance data has been reset.	

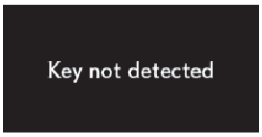
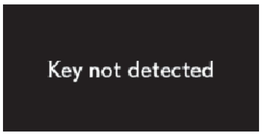
Warning message	Details	Correction procedure
 (U.S.A. only)	Indicates that all maintenance is required to correspond to the driven distance on the maintenance schedule*. Comes on approximately 5000 miles (8000 km) after the maintenance data has been reset. (The indicator will not work properly unless the maintenance data has been reset.)	Perform the necessary maintenance. Please reset the maintenance data after the maintenance is performed (→P. 602)
 (If equipped)	Indicates that the tire inflation pressure is low	Check the tire inflation pressure, and adjust to the appropriate level.
 (If equipped)	Indicates a malfunction in the tire pressure warning system	Stop the vehicle in a safe place and turn the engine switch off then on again. If the tire pressure warning indicator flashes for 1 minute then illuminates, there is a malfunction in the system. Have the vehicle inspected at your Lexus dealer.

Warning message	Details	Correction procedure
 (If equipped)	Indicates that the tire position information cannot be recognized	Drive for a short while and check if the display updates. If the radio wave conditions improve, the display may return to normal. If the tire pressure is still not displayed after driving for several minutes, stop the vehicle in a safe place, turn the engine switch off then on again, and start driving. If the tire pressure is still not displayed even after repeating this several times, have the vehicle inspected at your Lexus dealer.
  (Flashes) (If equipped)	Indicates that the pre-collision system is not currently functional because the grille cover or the sensor is dirty This message also appears when the pre-collision system is not functional due to over-heating.	Check the grille cover and the sensor and clean them if they are dirty. In case of overheating, the system will become functional once the system cools down.

*: Refer to the separate "Scheduled Maintenance" or "Owner's Manual Supplement" for the maintenance interval applicable to your vehicle.

Have the malfunction repaired immediately.

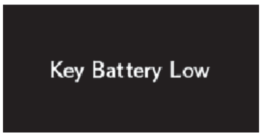
After taking the specified steps to correct the suspected problem, check that the warning message and light go off.

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
Once	—	  (Flashes)	The electronic key is not detected when an attempt is made to start the engine.	Start the engine with the electronic key present.
Once	3 times	  (Flashes)	The electronic key was carried outside the vehicle and a door other than the driver's door was opened and closed while the engine switch was in a mode other than off.	Bring the electronic key back into the vehicle.
			The driver's door was opened and closed while the electronic key was not in the vehicle, the shift lever was in P and the engine switch was not turned off.	Turn the engine switch off or bring the electronic key back into the vehicle.

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
Once	Con-tinuous	Key not detected Turn Power OFF (Displayed alternately) (Flashes)	An attempt was made to exit the vehicle with the electronic key and lock the doors without first turning the engine switch off when the shift lever was in P.	Turn the engine switch off and lock the doors again.
9 times	—	Key not detected (Flashes)	An attempt was made to drive when the regular key was not inside the vehicle.	Confirm that the electronic key is inside the vehicle.
Con-tinuous	—	Shift to P position (Flashes)	The driver's door was opened when the shift lever was not in P and the engine switch was not turned off.	Shift the shift lever to P.

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
Continuous	Continuous	Shift to P position Key not detected (Displayed alternately)  (Flashes)	The driver's door was opened and closed while the electronic key was not in the vehicle, the shift lever was not in P and the engine switch was not turned off.	• Shift the shift lever to P. • Bring the electronic key back into the vehicle.
—	Continuous	Key detected in vehicle  (Flashes)	An attempt was made to lock the doors using the smart access system with push-button start while the electronic key was still inside the vehicle.	Retrieve the electronic key from the vehicle and lock the doors again.
Once	Continuous	Key detected in vehicle  (Flashes)	An attempt was made to lock either front door by opening a door and putting the inside lock button into the lock position, then closing the door with the electronic key still inside the vehicle.	Retrieve the electronic key from the vehicle and lock the doors again.

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
Once	—	  (Flashes)	• When the doors were unlocked with the mechanical key and then the engine switch was pressed, the electronic key could not be detected in the vehicle. • The electronic key could not be detected in the vehicle even after the engine switch was pressed two consecutive times.	Touch the electronic key to the engine switch while depressing the brake pedal.
Once	—	  (Flashes)	An attempt was made to start the engine with the shift lever in an incorrect position.	Shift the shift lever to P and start the engine.

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
—	—		Power was turned off due to the automatic power off function.	Next time when starting the engine, increase the engine speed slightly and maintain that level for approximately 5 minutes to recharge the battery.
Once	—	 	The electronic key has a low battery.	Replace the electronic key battery. (→P. 646)

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
Once	—	 (Flashes)	The driver's door was opened and closed with the engine switch turned off and then the engine switch was put in ACCESSORY mode twice without the engine being started.	Press the engine switch while depressing the brake pedal.
			During an engine starting procedure in the event that the electronic key was not functioning properly (→P. 741), the engine switch was touched with the electronic key.	Press the engine switch within 10 seconds of the buzzer sounding.
Once	—	 (Flashes)	The steering lock could not be released within 3 seconds of the engine switch being pressed.	Press the engine switch while depressing the brake pedal and moving the steering wheel left and right.
Once	—	 (Flashes)	The engine switch has been turned off with the shift lever in a position other than P or N.	Shift the shift lever to P.

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
Once	—	  (Flashes)	After the engine switch has been turned off with the shift lever in a position other than P, the shift lever has been shifted to P.	Turn the engine switch off.

■ **Warning buzzer**

In some cases, the buzzer may not be heard because of noisy place or an audio sound.

If you have a flat tire

Remove the flat tire and replace it with the spare tire provided.

For details about tires: →P. 629

⚠ CAUTION

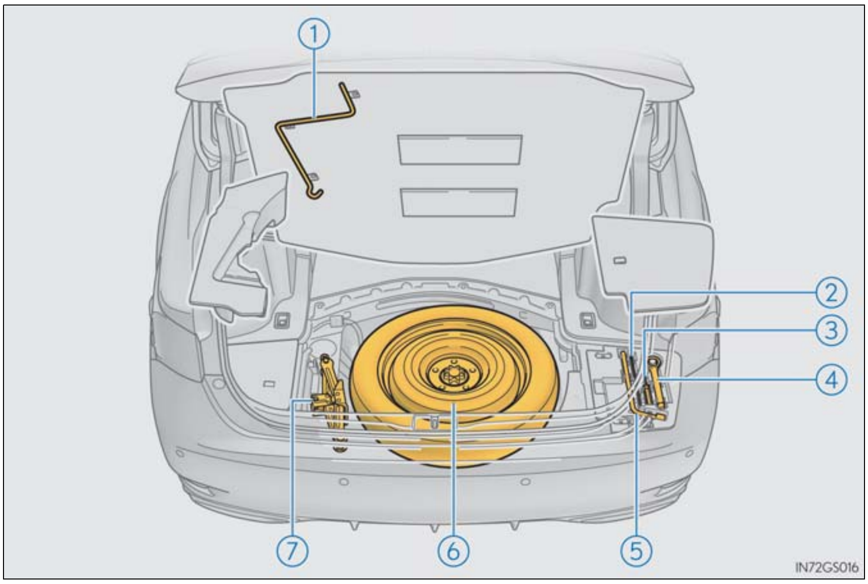
■If you have a flat tire

Do not continue driving with a flat tire.
Driving even a short distance with a flat tire can damage the tire and the wheel beyond repair, which could result in an accident.

Before jacking up the vehicle

- Stop the vehicle on a hard, flat surface.
- Set the parking brake.
- Shift the shift lever to P.
- Stop the engine.
- Turn on the emergency flashers. (→P. 676)

Location of the spare tire, jack and tools



1. Jack handle
2. Parking brake release tool
3. Screwdriver
4. Towing eyelet
5. Wheel nut wrench
6. Spare tire
7. Jack

CAUTION

■ **Using the tire jack**

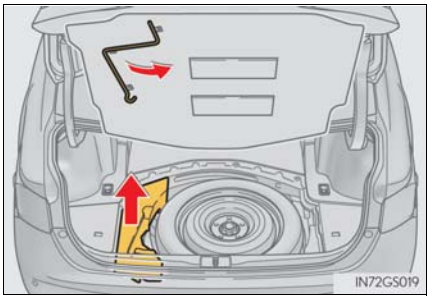
Observe the following precautions.
Improper use of the tire jack may cause the vehicle to suddenly fall off the jack, leading to death or serious injury.

- Do not use the tire jack for any purpose other than replacing tires or installing and removing tire chains.
- Only use the tire jack that comes with this vehicle for replacing a flat tire.
  Do not use it on other vehicles, and do not use other tire jacks for replacing tires on this vehicle.
- Put the jack properly in its jack point.
- Do not put any part of your body under the vehicle while it is supported by the jack.
- Do not start the engine or drive the vehicle while the vehicle is supported by the jack.
- Do not raise the vehicle while someone is inside.
- When raising the vehicle, do not put an object on or under the jack.
- Do not raise the vehicle to a height greater than that required to replace the tire.
- Use a jack stand if it is necessary to get under the vehicle.
- When lowering the vehicle, make sure that there is no-one near the vehicle. If there are people nearby, warn them vocally before lowering.

Taking out the jack and jack handle

1 Remove the center luggage mat. (→P. 559)

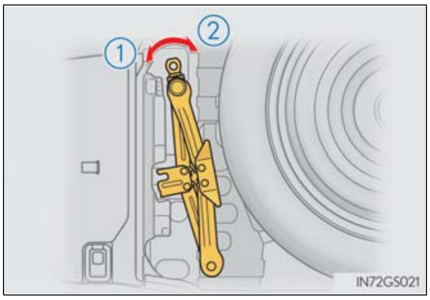
2 Remove the spacer and take out the jack handle from the reverse side of the center luggage mat.



3 Take out the jack.

① For tightening

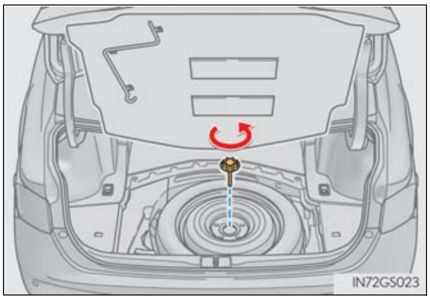
② For loosening



Taking out the spare tire

1. Remove the center luggage mat. (→P. 559)

2. Loosen the center fastener that secures the spare tire.



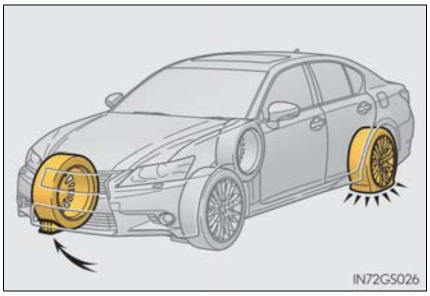
⚠ CAUTION

■ When storing the spare tire

Be careful not to catch fingers or other body parts between the spare tire and the body of the vehicle.

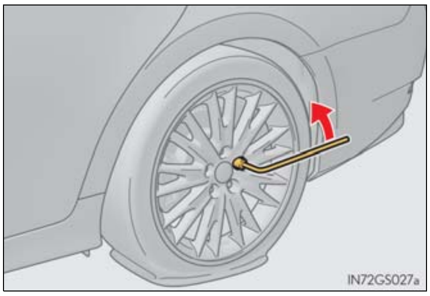
Replacing a flat tire

1 Chock the tires.



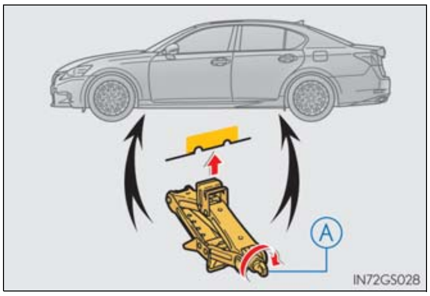
Flat tire		Wheel chock positions
Front	Left-hand side	Behind the rear right-hand side tire
	Right-hand side	Behind the rear left-hand side tire
Rear	Left-hand side	In front of the front right-hand side tire
	Right-hand side	In front of the front left-hand side tire

2 Slightly loosen the wheel nuts (one turn).

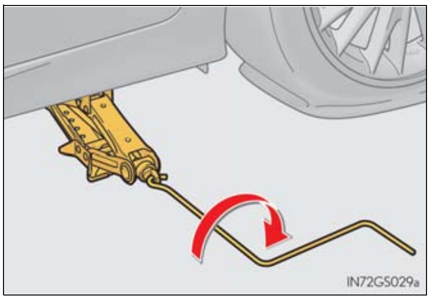


3 Turn the tire jack portion "A" by hand until the notch of the jack is in contact with the jack point.

The jack point guides are located under the rocker panel. They indicate the jack point positions.

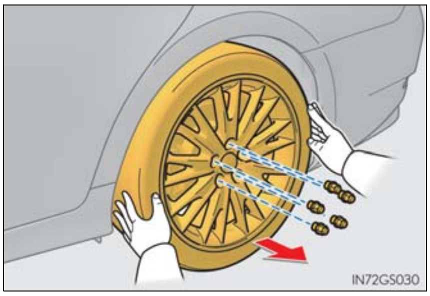


4 Raise the vehicle until the tire is slightly raised off the ground.



5 Remove all the wheel nuts and the tire.

When resting the tire on the ground, place the tire so that the wheel design faces up to avoid scratching the wheel surface.



CAUTION

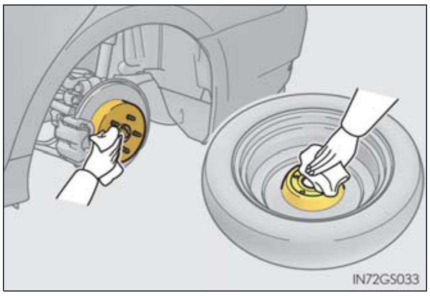
■ **Replacing a flat tire**

- Do not touch the disc wheels or the area around the brakes immediately after the vehicle has been driven.
  After the vehicle has been driven the disc wheels and the area around the brakes will be extremely hot. Touching these areas with hands, feet or other body parts while changing a tire, etc. may result in burns.
- Failure to follow these precautions could cause the wheel nuts to loosen and the tire to fall off, resulting in death or serious injury.
  - Never use oil or grease on the wheel bolts or wheel nuts.
    Oil and grease may cause the wheel nuts to be excessively tightened, leading to bolt or disc wheel damage. In addition, the oil or grease can cause the wheel nuts to loosen and the wheel may fall off, causing a serious accident. Remove any oil or grease from the wheel bolts or wheel nuts.
  - Have the wheel nuts tightened with a torque wrench to 76 ft•lbf (103 N•m, 10.5 kgf•m) as soon as possible after changing wheels.
  - When installing a tire, only use wheel nuts that have been specifically designed for that wheel.
  - If there are any cracks or deformations in the bolt screws, nut threads or bolt holes of the wheel, have the vehicle inspected by your Lexus dealer.

Installing the spare tire

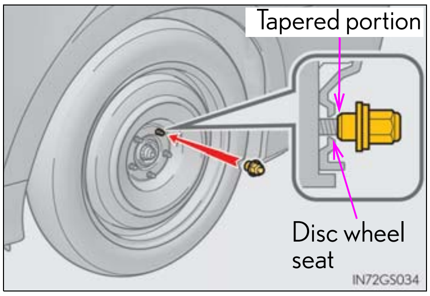
1 Remove any dirt or foreign matter from the wheel contact surface.

If foreign matter is on the wheel contact surface, the wheel nuts may loosen while the vehicle is in motion, causing the tire to come off.

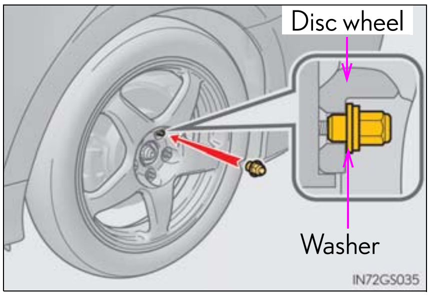


2 Install the spare tire and loosely tighten each wheel nut by hand by approximately the same amount.

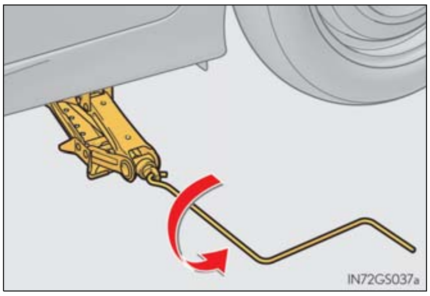
When replacing an aluminum wheel with a steel wheel, tighten the wheel nuts until the tapered portion comes into loose contact with the disc wheel seat.



When replacing an aluminum wheel with an aluminum wheel, turn the wheel nuts until the washers come into contact with the disc wheel.

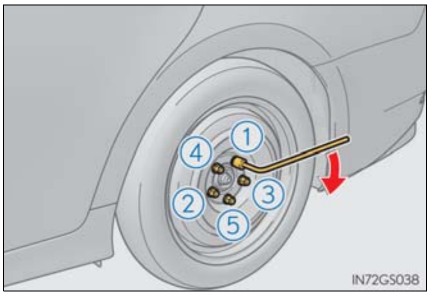


3 Lower the vehicle.



4 Firmly tighten each wheel nut two or three times in the order shown in the illustration.

Tightening torque:
76 ft•lbf (103 N•m, 10.5 kgf•m)



5 Stow the flat tire, tire jack and all tools.

The compact spare tire

- The compact spare tire is identified by the label “TEMPORARY USE ONLY” on the tire sidewall.
  Use the compact spare tire temporarily, and only in an emergency.
- Make sure to check the tire inflation pressure of the compact spare tire. (→P. 759)

When using the compact spare tire

As the compact spare tire is not equipped with a tire pressure warning valve and transmitter, low inflation pressure of the spare tire will not be indicated by the tire pressure warning system. Also, if you replace the compact spare tire after the tire pressure warning light comes on, the light remains on.

When the compact spare tire is equipped

The vehicle becomes lower when driving with the compact spare tire compared to when driving with standard tires.

If you have a flat rear tire on a road covered with snow or ice (vehicles with front and rear tires of the same size)

Install the compact spare tire on one of the front wheels of the vehicle. Perform the following steps and fit tire chains to the rear tires:

1. Replace a front tire with the compact spare tire.
2. Replace the flat rear tire with the tire removed from the front of the vehicle.
3. Fit tire chains to the rear tires.

CAUTION

When using the compact spare tire

- Remember that the compact spare tire provided is specifically designed for use with your vehicle. Do not use your compact spare tire on another vehicle.
- Do not use more than one compact spare tires simultaneously.
- Replace the compact spare tire with a standard tire as soon as possible.
- Avoid sudden acceleration, abrupt steering, as well as sudden braking and shifting operation to engine braking.

When the compact spare tire is attached

The vehicle speed may not be correctly detected, and the following systems may not operate correctly:

- ABS & Brake assist
- VSC
- TRAC
- Cruise control
- Dynamic radar cruise control (if equipped)
- PCS (if equipped)
- EPS
- AFS (if equipped)
- LDH (if equipped)
- DRS (if equipped)
- AVS (if equipped)
- LKA (Lane-Keeping Assist) (if equipped)
- VGRS (if equipped)
- Rear view monitor system
- Intuitive parking assist (if equipped)
- Navigation system (if equipped)

Also, not only can the following system not be utilized fully, but it may even negatively affect the drive-train components:

- AWD system

CAUTION

■ **Speed limit when using the compact spare tire**

Do not drive at speeds in excess of 50 mph (80 km/h) when a compact spare tire is installed on the vehicle.

The compact spare tire is not designed for driving at high speeds. Failure to observe this precaution may lead to an accident causing death or serious injury.

■ **After using the tools and jack**

Before driving, make sure all the tools and jack are securely in place in their storage location to reduce the possibility of personal injury during a collision or sudden braking.

NOTICE

■ **Driving with tire chains and the compact spare tire**

Do not fit tire chains to the compact spare tire.
Tire chains may damage the vehicle body and adversely affect driving performance.

■ **When replacing the tires**

When removing or fitting the wheels, tires or the tire pressure warning valve and transmitter, contact your Lexus dealer as the tire pressure warning valve and transmitter may be damaged if not handled correctly.

If the engine will not start

If the engine will not start even though correct starting procedures are being followed (→P. 154), consider each of the following points:

The engine will not start even though the starter motor operates normally.

One of the following may be the cause of the problem:

- There may not be sufficient fuel in the vehicle's tank.
  Refuel the vehicle.
- The engine may be flooded.
  Try to restart the engine again following correct starting procedures. (→P. 154)
- There may be a malfunction in the engine immobilizer system. (→P. 68)

The starter motor turns over slowly, the interior lights and headlights are dim, or the horn does not sound or sounds at a low volume.

One of the following may be the cause of the problem:

- The battery may be discharged. (→P. 743)
- The battery terminal connections may be loose or corroded.

The starter motor does not turn over

The engine starting system may be malfunctioning due to an electrical problem such as electronic key battery depletion or a blown fuse. However, an interim measure is available to start the engine. (→P. 736)

The starter motor does not turn over, the interior lights and headlights do not turn on, or the horn does not sound.

One of the following may be the cause of the problem:

- One or both of the battery terminals may be disconnected.
- The battery may be discharged. (→P. 743)
- There may be a malfunction in the steering lock system.

Contact your Lexus dealer if the problem cannot be repaired, or if repair procedures are unknown.

Emergency start function

When the engine does not start, the following steps can be used as an interim measure to start the engine if the engine switch is functioning normally:

1. Set the parking brake.
2. Shift the shift lever to P.
3. Turn the engine switch to ACCESSORY mode.
4. Press and hold the engine switch for about 15 seconds while depressing the brake pedal firmly.

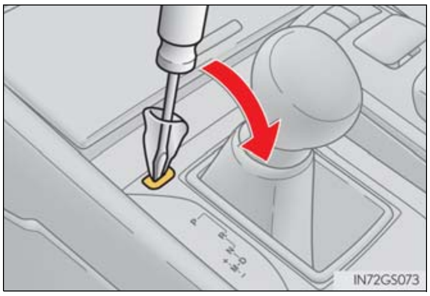
Even if the engine can be started using the above steps, the system may be malfunctioning. Have the vehicle inspected by your Lexus dealer.

If the shift lever cannot be shifted from P

If the shift lever cannot be shifted with your foot on the brake pedal, there may be a problem with the shift lock system (a system to prevent accidental operation of the shift lever). Have the vehicle inspected by your Lexus dealer immediately.
The following steps may be used as an emergency measure to ensure that the shift lever can be shifted:

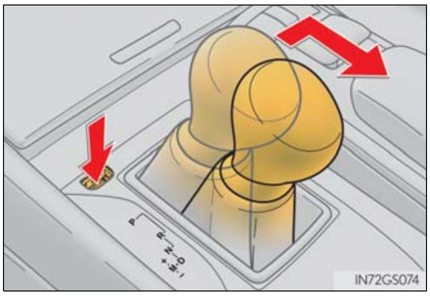
1. Set the parking brake.
2. Turn the engine switch to ACCESSORY mode.
3. Depress the brake pedal.
4. Pry the cover up with a flathead screwdriver or equivalent tool.

   To prevent damage to the cover, cover the tip of the screwdriver with a rag.



5. Press the shift lock override button.

   The shift lever can be shifted while the button is pressed.



If the parking brake cannot be released

In the event that the battery is discharged or switch operation does not release the parking brake, the parking brake can be released manually using the procedure below. This procedure should be performed only if necessary, such as in an emergency.
If the switch cannot be operated even when the battery is normal, the parking brake system may be malfunctioning. Have the vehicle inspected by your Lexus dealer immediately.

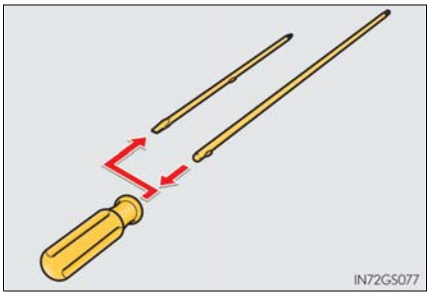
Before releasing the parking brake manually

- Shift the shift lever to P.
- Turn the engine switch off.
- Check that the parking brake indicator is off.
- Chock the tires.

Releasing the parking brake manually

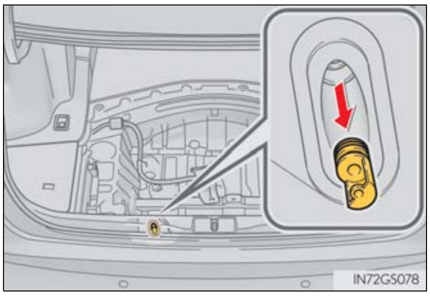
1. Take out the parking brake release tool and the screwdriver from the trunk. (→P. 723)

   Fit the parking brake release tool into the screwdriver handle.

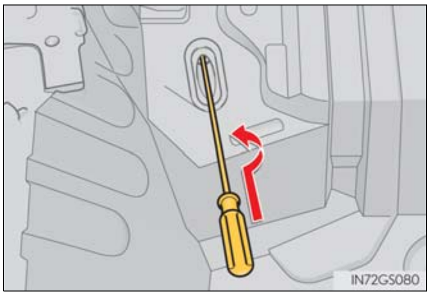


2. Take out the spare tire. (→P. 722)

3 Remove the plug.



4 Insert the tool and press it down firmly while turning it counter-clockwise until it stops.



Manual operation of the parking brake

The parking brake cannot be set manually.

CAUTION

When releasing the parking brake manually

- Shift the shift lever to P, turn the engine switch off and chock the tires. Failure to do so may cause the vehicle to move, resulting in an accident.
- Turn the engine switch off and check that the parking brake indicator is off. Failure to do so may cause the system to operate and turn the inserted parking brake release tool, resulting in an injury.

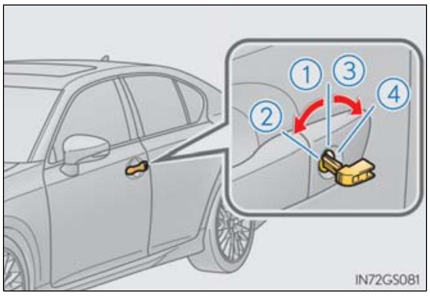
If the electronic key does not operate properly

If communication between the electronic key and vehicle is interrupted (→P. 108) or the electronic key cannot be used because the battery is depleted, the smart access system with push-button start and wireless remote control cannot be used. In such cases, the doors and trunk can be opened and the engine can be started by following the procedure below.

Locking and unlocking the doors, unlocking the trunk and key linked functions

■ Doors

Use the mechanical key (→P. 98) in order to perform the following operations:



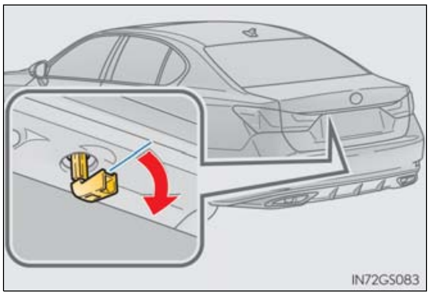
1. Locks all the doors
2. Closes the windows and moon roof* (turn and hold)
3. Unlocks the door

   Turning the key rearward unlocks the driver's door. Turning the key once again within 5 seconds unlocks the other doors.
4. Opens the windows and moon roof* (turn and hold)

*: This setting must be customized at your Lexus dealer.

■ Trunk

Turn the mechanical key clockwise to open.

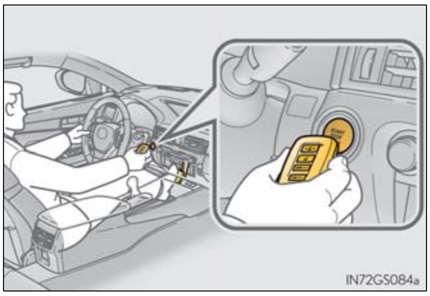


Starting the engine

1. Ensure that the shift lever is in P and depress the brake pedal.
2. Touch the Lexus emblem side of the electronic key to the engine switch.

   The engine switch will turn to IGNITION ON mode.

   When the smart access system with push-button start is deactivated in customization setting, the engine switch will turn to ACCESSORY mode.



3. Firmly depress the brake pedal and check that  is shown on the multi-information display.
4. Press the engine switch.

In the event that the engine still cannot be started, contact your Lexus dealer.

■ **Stopping the engine**

Shift the shift lever to P and press the engine switch as you normally do when stopping the engine.

■ **Replacing the key battery**

As the above procedure is a temporary measure, it is recommended that the electronic key battery be replaced immediately when the battery is depleted. (→P. 646)

■ **Changing engine switch modes**

Release the brake pedal and press the engine switch in step 3 above.
The engine does not start and modes will be changed each time the switch is pressed.(→P. 172)

■ **When the electronic key does not work properly**

- Make sure that the smart access system with push-button start has not been deactivated in the customization setting. If it is off, turn the function on. (Customizable features →P. 777)
- Check if battery-saving mode is set. If it is set, cancel the function. (→P. 107)

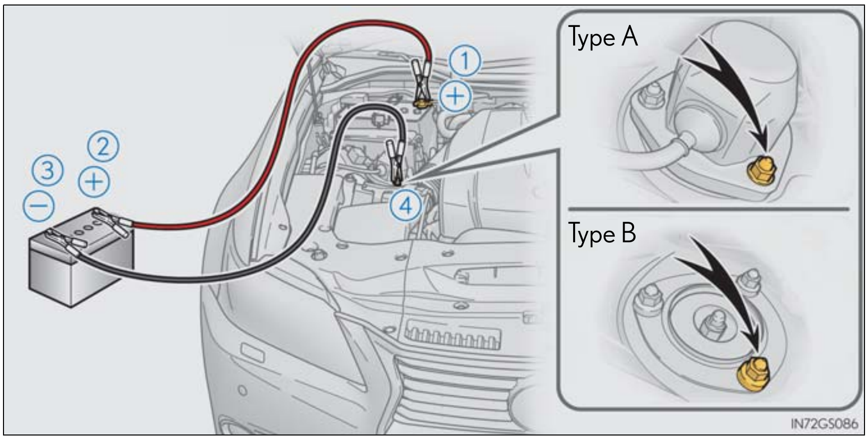
If the vehicle battery is discharged

The following procedures may be used to start the engine if the vehicle's battery is discharged.
You can also call your Lexus dealer or a qualified repair shop.

If you have a set of jumper (or booster) cables and a second vehicle with a 12-volt battery, you can jump start your vehicle by following the steps below.

1 Open the hood (→P. 612)

2 Connect the jumper cables according to the following procedure:



① Connect a positive jumper cable clamp to the positive (+) battery terminal on your vehicle.

② Connect the clamp on the other end of the positive cable to the positive (+) battery terminal on the second vehicle.

③ Connect a negative cable clamp to the negative (-) battery terminal on the second vehicle.

④ Connect the clamp at the other end of the negative cable to a solid, stationary, unpainted metallic point away from the battery and any moving parts, as shown in the illustration.

3 Start the engine of the second vehicle. Increase the engine speed slightly and maintain at that level for approximately 5 minutes to recharge the battery of your vehicle.

4 Open and close any of the doors of your vehicle with the engine switch off.

5 Maintain the engine speed of the second vehicle and start the engine of your vehicle by turning the engine switch to IGNITION ON mode.

6 Once the vehicle's engine has started, remove the jumper cables in the exact reverse order from which they were connected.

Once the engine starts, have the vehicle inspected at your Lexus dealer as soon as possible.

■ **Starting the engine when the battery is discharged**

The engine cannot be started by push-starting.

■ **To prevent battery discharge**

- Turn off the headlights and the audio system while the engine is off.
- Turn off any unnecessary electrical components when the vehicle is running at a low speed for an extended period, such as in heavy traffic.

■ **Charging the battery**

The electricity stored in the battery will discharge gradually even when the vehicle is not in use, due to natural discharge and the draining effects of certain electrical appliances. If the vehicle is left for a long time, the battery may discharge, and the engine may be unable to start. (The battery recharges automatically during driving.)

■ **When recharging or replacing the battery**

- Make sure the key is not inside the vehicle when recharging or replacing the battery to prevent the doors from being locked with the key left inside the vehicle when the alarm operates.
- In some cases, it may not be possible to unlock the doors using the smart access system with push-button start when the battery is discharged. Use the wireless remote control or the mechanical key to lock or unlock the doors.
- The engine may not start on the first attempt after the battery has recharged but will start normally after the second attempt. This is not a malfunction.
- The engine switch mode is memorized by the vehicle. When the battery is reconnected, the system will return to the mode it was in before the battery was discharged. Before disconnecting the battery, turn the engine switch off.
  If you are unsure what mode the engine switch was in before the battery discharged, be especially careful when reconnecting the battery.

CAUTION

■ **Avoiding battery fires or explosions**

Observe the following precautions to prevent accidentally igniting the flammable gas that may be emitted from the battery:

- Make sure each jumper cable is connected to the correct terminal and that it is not unintentionally in contact with any other than the intended terminal.
- Do not allow the other end of the jumper cable connected to the "+" terminal to come into contact with any other parts or metal surfaces in the area, such as brackets or unpainted metal.
- Do not allow the + and - clamps of the jumper cables to come into contact with each other.
- Do not smoke, use matches, cigarette lighters or allow open flame near the battery.

■ **Battery precautions**

The battery contains poisonous and corrosive acidic electrolyte, while related parts contain lead and lead compounds. Observe the following precautions when handling the battery:

- When working with the battery, always wear safety glasses and take care not to allow any battery fluids (acid) to come into contact with skin, clothing or the vehicle body.
- Do not lean over the battery.
- In the event that battery fluid comes into contact with the skin or eyes, immediately wash the affected area with water and seek medical attention.
  Place a wet sponge or cloth over the affected area until medical attention can be received.
- Always wash your hands after handling the battery support, terminals, and other battery-related parts.
- Do not allow children near the battery.

NOTICE

■ **When handling jumper cables**

When connecting the jumper cables, ensure that they do not become entangled in the cooling fans or engine drive belt.

If your vehicle overheats

1. Stop the vehicle in a safe place and turn off the air conditioning system.
2. Check to see if steam is coming out from under the hood.

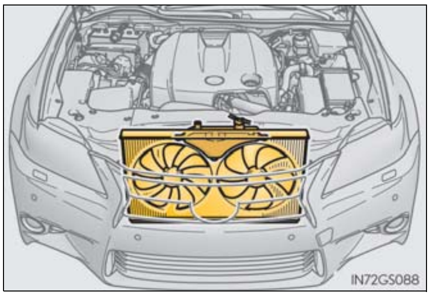
   If you see steam:
   Stop the engine. Carefully lift the hood after the steam subsides and then restart the engine.

   If you do not see steam:
   Leave the engine running and carefully lift the hood.
3. Check to see if the cooling fan is operating.

   If the fan is operating:
   Wait until the temperature of the engine (shown on the instrument panel) begins to fall and then stop the engine.

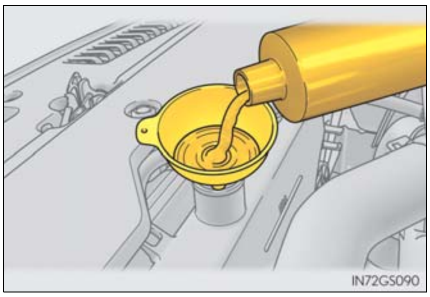
   If the fan is not operating:
   Stop the engine immediately and call your Lexus dealer.
4. After the engine has cooled down sufficiently, check the engine coolant level and inspect the radiator core (radiator) for any leaks.

   If the engine compartment cover needs to be removed: →P. 616



5. Add engine coolant if necessary.

   Water can be used in an emergency if engine coolant is unavailable.
   (→P. 756)



Have the vehicle inspected at the nearest Lexus dealer as soon as possible.

Overheating

If you observe the following, your vehicle may be overheating:

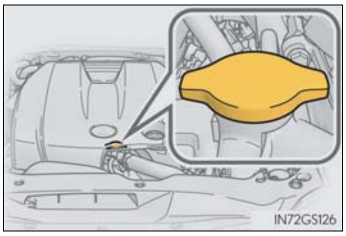
- The engine coolant temperature gauge enters the red zone or a loss of power is experienced.
- Steam comes out from under the hood.

⚠ CAUTION

When inspecting under the hood of your vehicle

Observe the following precautions.
Failure to do so may result in serious injury such as burns.

- If steam is seen coming from under the hood, do not open the hood until the steam has subsided. The engine compartment may be very hot.
- Keep hands and clothing away from the fans, etc. while the engine is operating.
- Do not loosen the radiator cap while the engine and radiator are hot.
  High temperature steam or coolant could spray out.



⚠ NOTICE

When adding engine coolant

Add coolant slowly after the engine has cooled down sufficiently. Adding cool coolant to a hot engine too quickly can cause damage to the engine.

To prevent damage to the cooling system

Observe the following precautions:

- Avoid contaminating the coolant with foreign matter (such as sand or dust etc.).
- Do not use commercially available coolant additives.

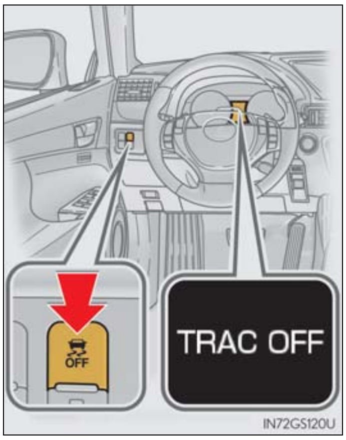
If the vehicle becomes stuck

Carry out the following procedures if the tires spin or the vehicle becomes stuck in mud, dirt or snow:

1. Stop the engine. Set the parking brake and shift the shift lever to P.
2. Remove the mud, snow or sand from around the rear wheels.
3. Place wood, stones or some other material under the rear wheels to help provide traction.
4. Restart the engine.
5. Shift the shift lever to D or R and release the parking brake. Then, while exercising caution, depress the accelerator pedal.

When it is difficult to free the vehicle

Press  to turn off TRAC.



CAUTION

When attempting to free a stuck vehicle

If you choose to push the vehicle back and forth to free it, make sure the surrounding area is clear to avoid striking other vehicles, objects or people. The vehicle may also lunge forward or lunge back suddenly as it becomes free. Use extreme caution.

When shifting the shift lever

Be careful not to shift the shift lever with the accelerator pedal depressed.
This may lead to unexpected rapid acceleration of the vehicle that may cause an accident resulting in death or serious injury.

NOTICE

To avoid damaging the transmission and other components

- Avoid spinning the rear wheels and depressing the accelerator pedal more than necessary.
- If the vehicle remains stuck even after these procedures are performed, the vehicle may require towing to be freed.